

Data sheet

Mineral Insulated Thermocouple with Miniature ANSI Plug

Type 'K', either 0.5, 1.0, 1.5 or 3,0mm diameter with insulated hot junction (un-grounded)



- Mineral insulated Type 'K' Thermocouple
- 310 stainless steel sheath
- Highly flexible, sheath can be bent/formed to suit many applications and processes
- 0.5mm diameter fast response option, other diameters include 1.0, 1.5 & 3.0mm
- Insulated hot junction
- Probe temperature range -40°C up to +1100°C
- Miniature plug termination (200°C)
- Conforms to ANSI specification

Specifications

Sensor type:	Type 'K' (Nickel Chromium/Nickel Aluminium) to ANSI
Construction:	Flexible mineral insulated probe with 310 stainless steel sheath
Element/hot junction:	Single element, junction insulated from sheath (offers protection against spurious electrical signals)
Termination:	Miniature flat pin plug, colour coded 'yellow' in accordance ANSI
Probe temperature range:	-40°C to +1100°C for 1.5 & 3.0mm diameters -40°C to +750°C for 0.5 & 1.0mm diameter
Plug temperature range:	200°C

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310 stainless steel: Good corrosion & oxidation resistance to suit a wide range of processes, satisfactorily operates in sulphur bearing atmospheres
 Typical applications include brick & cement kilns, glass industry, heat treatment & annealing furnaces, power stations, flues, heat exchangers etc.

T/C Type	Probe Size	Hot Junction	PART NO.
K	0.5 x 150 mm	Insulated	XE-3008-001
K	0.5 x 250 mm	Insulated	XE-3009-001
K	1.0 x 150 mm	Insulated	XE-3010-001
K	1.0 x 250 mm	Insulated	XE-3011-001
K	1.0 x 500 mm	Insulated	XE-3012-001
K	1.0 x 1000 mm	Insulated	XE-3015-001
K	1.5 x 150 mm	Insulated	XE-3000-001
K	1.5 x 250 mm	Insulated	XE-3001-001
K	1.5 x 500 mm	Insulated	XE-3013-001
K	1.5 x 1000 mm	Insulated	XE-3014-001
K	3.0 x 150 mm	Insulated	XE-3002-001
K	3.0 x 250 mm	Insulated	XE-3003-001
K	3.0 x 500 mm	Insulated	XE-3017-001
K	3.0 x 1000 mm	Insulated	XE-3018-001

Optional accessories:



Mating socket:

Miniature socket with thermocouple contacts.
 Max temperature 220 deg C.

Order Code: XE-1132-001

Extension leads:

PVC insulated extension leads with miniature plug and socket connectors in 2 or 5 metre lengths (max temp 105°C)



Lead Length:

- 2 metres
- 5 metres

Order Code:

- XE-7024-001
- XE-7025-001